



DOCKET NO.: PSU-0020

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Hong Ma

Serial No.: 09/821,839

Filing Date: March 29, 2001

For: PLANT GENE REQUIRED FOR MALE MEIOSIS

Confirmation No.: 3569

Group Art Unit: 1638

Examiner: Collins, Cynthia E

EXPRESS MAIL LABEL NO: EL 928558045 US
DATE OF DEPOSIT: February 3, 2003

EL 928558045US

Box ☐ NON-FEE
☐ AF

Assistant Commissioner for Patents
Washington DC 20231

Sir:

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FEB 10 2003
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REPLY TRANSMITTAL LETTER

Transmitted herewith for filing in the above-identified patent application is:

- ☐ A Preliminary Amendment.
- ☒ An Amendment Responsive to the Office Action Dated October 3, 2002.
- ☐ An Amendment Supplemental to the Paper filed
- ☐ Other:
- ☒ Applicant(s) has previously claimed small entity status under 37 CFR § 1.27.
- ☐ Applicant(s) by its/their undersigned attorney, claims small entity status under 37 CFR § 1.27 as:
 - ☐ an Independent Inventor
 - ☐ a Small Business Concern

- ☐ a Nonprofit Organization
- ☐ This application is no longer entitled to small entity status. It is requested that this be noted in the files of the U.S. Patent and Trademark Office.
- ☐ Loss of Entitlement Enclosed
- ☐ Substitute Pages of the Specification are enclosed.
- ☐ An Abstract is enclosed.
- ☐ Sheets of Proposed Corrected Drawings are enclosed.
- ☐ A Certified Copy of each of the following applications: is enclosed.
- ☐ An Associate Power of Attorney is enclosed.
- ☐ Information Disclosure Statement.
 - ☐ Attached Form 1449.
 - ☐ A copy of each reference as listed on the attached Form PTO-1449 is enclosed herewith.
- ☐ Appended Material as follows: .
- ☐ Other Material as follows: .

FEE CALCULATION

☐ No Additional Fee is Due.

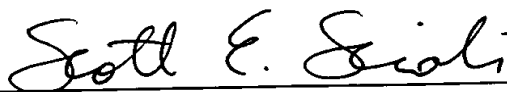
				SMALL ENTITY		NOT SMALL ENTITY	
	REMAINING AFTER AMENDMENT	HIGHEST PAID FOR	EXTRA	RATE	FEE	RATE	FEE
TOTAL CLAIMS	15	24 (20 MINIMUM)	0	\$9 EACH	\$0	\$18 EACH	\$
INDEP. CLAIMS	2	7 (3 MINIMUM)	0	\$42 EACH	\$0	\$84 EACH	\$
FIRST PRESENTATION OF MULTIPLE DEPENDENT				\$140	\$	\$280	\$
<input checked="" type="checkbox"/> ONE MONTH EXTENSION OF TIME				\$55	\$55.00	\$110	\$
<input type="checkbox"/> TWO MONTH EXTENSION OF TIME				\$205	\$0	\$410	\$
<input type="checkbox"/> THREE MONTH EXTENSION OF TIME				\$465	\$0	\$930	\$
<input type="checkbox"/> FOUR MONTH EXTENSION OF TIME				\$725	\$0	\$1450	\$
<input type="checkbox"/> FIVE MONTH EXTENSION OF TIME				\$985	\$0	\$1970	\$
<input type="checkbox"/> LESS ANY EXTENSION FEE ALREADY PAID				minus	(\$0)	minus	(\$)
<input type="checkbox"/> TERMINAL DISCLAIMER				\$55	\$0	\$110	\$
<input type="checkbox"/> OTHER FEE OR SURCHARGE AS FOLLOWS:					0		
TOTAL FEE DUE					\$55.00		\$

- ☒ A check in the amount of **\$55.00** is attached. Please charge any deficiency or credit any overpayment to Deposit Account 23-3050.
- ☒ Petition is hereby made under 37 CFR § 1.136(a) (fees: 37 CFR § 1.17(a)(1)-(4) to extend the time for response to the Office Action of October 3, 2002 to and through February 3, 2003 comprising an extension of the shortened statutory period of 1 month(s).
- ☒ The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this filing or any future filing submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to Deposit Account 23-3050. This sheet is provided in duplicate.
- ☒ The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 23-3050. This sheet is provided in duplicate.
- ☐ The foregoing amount due for filing this paper.

- ☒ Any additional filing fees required, including fees for the presentation of extra claims under 37 CFR § 1.16.
- ☒ Any additional patent application processing fees under 37 CFR § 1.17 or 1.20(d).

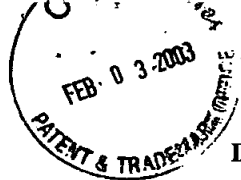
SHOULD ANY DEFICIENCIES APPEAR with respect to this application, including deficiencies in payment of fees, missing parts of the application or otherwise, the U.S. Patent and Trademark Office is respectfully requested to promptly notify the undersigned.

Date: February 3, 2003



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Docket No: PSQ 0020 (PSU Ref.: 99-2205)

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EX(1)4
Order B
PATENT

THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Hong Ma
Serial No.: 09/821,839
Filed: March 29, 2001
FOR: Plant Gene Required for Male
Meiosis

Group Art Unit: 1638
Examiner: Cynthia E. Collins

02/06/2003 SSITHIB1 00000015 09821839

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Assistant Commissioner for Patents
Washington, DC 20231

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AMENDMENT AND REQUEST FOR RECONSIDERATION

UNDER 37 CFR §1.111

Sir:

Responsive to the Official Action dated October 3, 2002, please amend the above-identified application as follows:

IN THE CLAIMS:

Please cancel claim 9.

Please amend the claims as follows:

1. (Amended) An isolated nucleic acid molecule, comprising a sequence of a gene located on *Arabidopsis thaliana* chromosome 1, the disruption of said gene resulting in a phenotype of abnormal homologous chromosome attachment during the meiotic prophase I.

B'